

Proposed Work Products by Year for additional EPA Contract 6.24.12

Rosemarie Bowler - 2012-2015

I. Work Products – Year 1

1. Prepare a Presentation to East Liverpool community residents and public agencies of a summary of the health findings
2. Analyze Mn in Hair and add to East Liverpool data
3. Further data analysis in order to write and submit a manuscript on **Chronic Mn exposure and Motor function in 2 towns in Ohio** (RB, Cheryl, Yangho, Danelle, Vihra, etc. -Journal of NeuroToxicology)
4. Manuscript completion of **Mn exposure and Neuropsychological function in 2 towns in Ohio** (RB, Cheryl, Danelle, Vihra, Michelle, etc. Env. Research)
5. Compose a outline to a manuscript on comparison of **Biomarkers of Mn in blood, toenails and hair in relationship to measurements of Mn in air** (RB, Cheryl, Ed Hudgeons, Danelle, Michelle, ? –Env. Research)

II. Work Products – Year 2

1. Complete the manuscript on comparison of biomarkers of Mn in blood, toenails and hair in relationship to measurements of Mn in air
2. Write a manuscript on the **Relationships between Mn exposure, biomarkers and mood disturbance** (RB, Cheryl, ? – Int. J of Hygiene & Env.Health)
3. Analyze data for **Simulation & Sensitivity Analysis of Mn/Air with duration of residence and distance to source** (Cheryl, RB, Danelle, Michelle, ?– Annals of Epidemiology)
4. Begin preparation for **Mn exposure in air and biomarkers and neurological function** (Yangho, RB, Michelle, Danelle, ? – Neurological paper)

III. Work Products – Year 3

1. Analyze Mn exposure in relation to **Health outcomes and symptoms and illnesses in relation to Mn exposure** (Cheryl, Danelle, RB ?– Medical Journal)